Validation period:	Validation	period:
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## CDI Validation – Form C CDI Validation Findings

Display validation results using 2x2 tables to demonstrate both the accuracy and completeness of CDI surveillance and reporting.

CDI Example		Validation Review ("Gold Standard" or truth)		
Positive <i>C diffict</i> for validation = 0	ile tests reviewed 65	CDI	Not CDI	
Identified and Reported by	CDI <b>55</b>	54	<u>1</u> Reported in error	Positive Predictive Value (PPV) =  54 True positives  54 True pos. + 1 False pos.  98%
Hospital	Not CDI 10	4 Missed	6	
	Sensitiv	•	Specificity =	-
54 True positives X 100 54 True pos. + 4 False neg.		<u>6 True negatives</u> 6 True neg. + 1 False po	X 100 s.	
		93%	86%	

## Interpretation:

From the 65 positive *C difficile* tests reviewed, the validation reviewers found <u>5</u> disparities compared to the hospital surveillance report.

The hospital had identified and reported 55 CDI. The validation reviewers determined only 54 should have been reported; **1** did not meet the surveillance criteria.

The calculated **positive predictive value (PPV)** reveals that what was reported as CDI meets the CDI LabID criteria 98% of the time.

For the other 10 positive *C difficile tests* reviewed in which routine hospital surveillance did not report CDI, the validation reviewers identified **4** additional CDI.

The calculated **sensitivity** reveals routine hospital surveillance is identifying 93% of the CDI occurring.

The calculated **specificity** reveals hospital routine surveillance accurately "rules out" CDI 86% of the time.

9.13.12 Form C - CDI 1

Data Validation for CDI

Hospital:

Surveillance time period:

From C difficile Review,	Form B		
		Validation Review	
# positive C difficile tests	reviewed =	CDI	Not CDI
Identified and Reported by Hospital	CDI Form B, total Q1 = Yes	А	B Reported in Error
	Not CDI	C <u>Missed</u>	D

9.13.12 Form C - CDI 2